

**EXPRESS TERMS
OF
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT**

**REGARDING THE CALIFORNIA PLUMBING CODE,
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5
AND ADOPTION OF THE 2000 UNIFORM PLUMBING CODE**

NON-CONTROLLING PLAIN ENGLISH SUMMARY STATEMENT:

The California Building Standards Code (California Code of Regulations, Title 24, Parts 1, 2, 3, 4, 5, 6, 7, 8, 10 & 12) is published in its entirety every three years. This proposal represents the adoption of the 2000 edition of the Uniform Plumbing Code (UPC) published by the International Association of Plumbing and Mechanical Officials (IAPMO). The UPC model code will be adopted and incorporated into the 2001 triennial edition of the California Plumbing Code (CPC), Title 24, Part 5. Additionally, this proposal will carry forward the existing California amendments in the 1998 CPC to the 2001 CPC regarding hospitals, skilled nursing facilities, licensed clinics and correctional treatment centers. Editorial and minor technical changes to existing code are also being proposed for clarification.

EXPRESS TERMS

Scope: OSHPD 1 - hospitals; OSHPD 2 - skilled nursing facilities; OSHPD 3 - licensed clinics; and OSHPD 4 - correctional treatment centers.

Legend for Express Terms - 1) California amendments are shown in *italics*, 2) new California amendments are shown in *italics* and underlined, and 3) language to be repealed is shown in ~~strikeout~~.

The express terms below indicate the existing California amendments (italicized) being carried forward into the 2001 CPC and their placement among 2000 UPC model code text.

In some cases, it was necessary to renumber the existing California section for proper placement within the model code text. Where there is a new, modified or repealed California amendment, the entire text of that section is indicated showing the change(s).

Adopt entire 2000 UPC Chapter 1 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

101.0 Title, Scope and General.

101.1 Title.

101.1a *This document shall be known as the "California Plumbing Code." ...*

101.2 Purpose.

101.2.1 This Code is an ordinance providing ...

101.2.2 *To provide minimum standards ...*

101.3 Plans Required

101.4 Scope.

101.4.1 The provisions of this Code shall apply to the erection, installation ...

~~**101.4.1 Application.**~~ **101.4.1a Application.** *The provisions of this code shall apply ...*

101.4.1.1 Repairs and Alterations.

101.4.1.1.1 In existing buildings ...

101.4.1.1.1.1 *Any plumbing system ...*

101.4.1.1.2 Existing building sewers...

101.4.1.1.2.a *Existing building sewer ...*

101.4.1.1.3 All openings into ...

101.4.1.2 Maintenance.

101.4.1.3 Existing Construction.

101.4.1.4 Conflicts Between Codes.

~~**101.4.1.4a Conflicts Between Codes.**~~ *When the requirements of this code conflict with the requirements of the California Mechanical Code, Title 24, Part 4, the California Mechanical Code shall prevail.*

101.4.2 Additions, alterations ...

101.4.3 The provisions ...

101.4.4 Effective Date. *One hundred and eighty days ...*

101.4.4.1 *For clarification purposes ...*

101.4.4.2 *The provisions of the model code ...*

101.5 Application to Existing Plumbing System

101.5.1 Additions, Alterations or Repairs.

101.5.2 Health and Safety.

101.5.3 Existing Installation.

101.5.4 Changes in Building Occupancy.

101.5.5 Maintenance.

101.5.6 Moved Buildings.

101.6 Nonbuilding Regulations

101.7 Order of Precedence

101.8 Format

101.9 Validity

101.10 Standard Reference Documents

101.11 Application

102.0 Organization and Enforcement ...

103.0 Permits and Inspections

103.1 Permits

103.1.1 Permits Required.

103.1.2 Exempt Work.

103.1.2.1

103.1.2.1

103.1.2.2

103.1.3 Licensing.

103.1.3.1 *This licensing provision is not adopted for OSHPD 1, 2, 3 & 4.*

103.2 Application For Permit ...

103.8 Validity

Adopt entire 2000 UPC Chapter 2 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

210.0 -H-

Hangers ...

Health Facilities *[For OSHPD 1, 2, 3 & 4] - Those buildings specified ...*

High Hazard ...

223.0 -U-

Unconfined Space ...

Unsanitary ...

U.P.C. *[For OSHPD 1, 2, 3, & 4] The latest edition of the Uniform Plumbing Code...*

Adopt entire 2000 UPC Chapter 3 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

...

311.8 Screwed Fittings.

311.9 *[For OSHPD 1, 2, 3 & 4] Drainage piping over operating ...*

311.10 *[For OSHPD 1, 3 & 4] Floor drains shall not ...*

311.12 *[For OSHPD 1, 2 & 4] System/Services and Utilities. ...*

312.0 Independent Systems

...

316.2 Special Joints

316.2.1

316.2.2

316.2.3

316.2.4 *[For OSHPD 1, 2, 3 & 4] Dielectric unions ...*

316.3 Flanged Fixture Connections ...

319.0 Test Gauges.

319.1

319.2

319.3

319.4

~~320 Medical Gas Piping [For OSHPD 1, 2, 3 & 4] All medical gas piping shall have all burrs removed. Pipe ends shall be reamed and all chips removed. Piping shall be cleaned in accordance with National Fire Protection Association (NFPA) 99, 1996 edition.~~

Adopt only those 2000 UPC Chapter 4 sections and California promulgated sections listed below for [OSHPD 1, 2, 3 & 4]:

401.0 Materials – General Requirements

401.1 Quality of Fixtures.

401.2 Lead.

402.1 The maximum discharge flow rates ...

402.2 Flush volumes for low consumption ...

402.5 Non-Metered Faucets. Self-closing ... **[For OSHPD 1, 2, 3 & 4]** *Aerators are not permitted.*

402.6 Metered Faucets.

402.7 Kitchen Faucets. Faucets for kitchen sinks ... **[For OSHPD 1, 2, 3 & 4]** *Aerators are not permitted.*

402.8 Shower Heads. Shower heads shall be designed ... **Exception:** Emergency safety showers.

402.9 Installation.

403.0 Materials – Alternates

403.1 Zinc Alloy Components.

404.0 Overflows

405.0 Strainers and Connections

405.1 Strainers

405.2 Connections.

405.3 Continuous wastes and fixtures ...

405.4 Approved wye or other directional type ...

406.0 Prohibited Fixtures

406.1 Water closets ...

406.2 Prohibited Urinals.

406.3 Fixed wooden, concrete, ...

406.4 Concealed Fouling Surfaces.

407.0 Special Fixtures and Specialties

407.1 Water Connections.

- 407.2 Restaurant kitchen ...
- 407.3 **Approved.**
- 407.4 *[For OSHPD 1, 2, 3 & 4] Drinking Fountains. ...*
- 408.0 **Installation.**
- 408.1 **Cleaning.**
- 408.2 **Joints.**
- 408.3 **Securing Fixtures.**
- 408.4 **Wall-Hung Fixtures.**
- 408.5 **Securing Floor-Mounted, Back-Outlet Water Closet Bowls.**
- 408.6 **Setting.**
- 408.7 **Installations for the Handicapped.**
- 408.8 **Supply Fittings.**
- 409.0 **Water Closets**
- 409.1 Water closet bowls for public use ...
- 409.2 **Water Closet Seats**
- 409.2.1 Water closet seats shall be of smooth ...
- 409.2.2 All water closet seats, ...
- 409.2.3 Water closet seats shall be properly...
- 409.2.4 Seats for use in public buildings...
- 410.0 **Urinals**
- 411.0 **Flushing Devices for Water Closets and Urinals**
- 411.1 **Flushing Devices Required.**
- 411.2 **Automatic Flushing Tanks.**
- 411.3 **Flushometer Valves.**
- 411.4 **Water Supply for Flush Tanks.**
- 411.5 **Flush Valves in Flush Tanks.**
- 411.6 **Overflows in Flush Tanks.**
- 412.0 **Floor Drains and Shower Stalls**
- 412.1 Floor drains shall be ...
- 412.2 **Location of Floor Drains.**
- 412.2.1 Toilet rooms containing ...
- 412.2.2 Commercial kitchens.
- 412.2.3 Laundry rooms ...
- 412.3 **Food Storage Areas.**
- 412.4 **Floor Slope.**
- 412.5 Shower receptors ...
- 412.6 Each shower receptor ... **Exception:** Showers which are designed ...
- 412.7 All shower compartments, ... **Exception:** Showers which are designed ...
- 412.8 When the construction ...
- 412.8.1 **Tests for Shower Receptors.**
- 412.9 Floors of public shower ...

412.10 (Deleted)
412.11 Location of Valves and Heads.
412.12 Water Supply Riser.
413.0 Minimum Number of Required Fixtures
413.1 Fixture Count.
413.1a [For OSHPD 1, 2, 3 & 4] **Fixture Count.** Plumbing fixtures shall be provided for the type of building occupancy and in the minimum number shown in Table 4-1 and Table 4-2.
413.2 Access to Fixtures
413.2.1 In multi-story ...
413.2.2 Fixtures accessible ...
413.3 Separate Facilities
413.4 Fixture Requirement for Special Occupancies
413.4.1 Additional fixtures ...
413.4.2 In food preparation ...
413.4.3 Types of occupancy ...
413.5 Facilities in Mercantile and Business Occupancies Serving Customers
413.5.1 Requirements for customers ...
413.5.2 Fixtures for customer ...
413.5.3 In stores with ...
415.0 Whirlpool Bathtubs
415.1 A removeable panel ...
415.2 The circulation ...
415.3 The pump ...
415.4 Suction fittings ...
417.0 Bidets
417.1 Materials.
417.2 Backflow Protection.
419.0 Future Fixtures
420.0 Shower and Tub/Shower Combination Control Valves
Table 4-1 Minimum Plumbing Facilities (with California amendments)
Table 4-2

Adopt entire 2000 UPC Chapter 5 without amendments for [OSHPD 1, 2, 3 & 4].

Adopt entire 2000 UPC Chapter 6 and carry forward existing 1998 CPC

amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

...

604.0 Materials

604.1 Water distribution pipe, ...

~~**604.1a** *Exceptions 1: [For OSHPD 1, 2, 3 & 4] Use of CPVC is not permitted for applications under authority of the Department of Health Services (DHS), and the Office of Statewide Health Planning and Development (OSHPD 1 & 2).*~~

~~**2.** *[For OSHPD 1, 2, 3 & 4] Use of PEX piping is not permitted for applications under the authority of the Office of Statewide Health Planning and Development.*~~

604.11 PEX. ~~*[Not adopted by OSHPD 1, 2, 3 & 4]*~~ Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been listed or approved. PEX tubing shall be installed in compliance with the provisions of this section.

604.11.1 PEX Fittings. ~~*[Not adopted by OSHPD 1, 2, 3 & 4]*~~ Metal Insert Fittings and Metal Compression Fittings used with PEX tubing shall be manufactured to and marked in accordance with the standards for the fittings in Table 14-1.

604.11.2 Water Heater Connections. ~~*[Not adopted by OSHPD 1, 2, 3 & 4]*~~ PEX tubing shall not be installed within the first eighteen (18) inches (457mm) or piping connected to a water heater.

605.0 Valves ...

605.7 A single control valve ...

605.8 ~~*[For OSHPD 1, 2 & 4] Each riser or branch ...*~~

606.0 Joints and Connections ...

606.2.3 Slip Joints. ...

606.2.4 ~~*[For OSHPD 1, 2, 3 & 4] PVC Pipe.*~~

...

609.0 Gravity Supply Tanks ...

609.10.2 Mechanical Devices. ...

609.11 ~~*[For OSHPD 1, 2 & 4] Refer to Title 24 ...*~~

...

611.0 Water Treatment Units ...

612.0 ~~*[For OSHPD 1, 2, 3 & 4] Domestic Hotwater Distribution Systems for Health Facilities and Clinics*~~

...

612.5 *Temperature control valves shall be provided to automatically regulate the temperature of hot water delivered to plumbing fixtures used by patients to a range of 105°F (41°C) minimum to 120°F (49°C) maximum. High temperature alarms set at 125°F (52°C) shall be provided where hot water is originally generated at temperatures exceeding 125°F (52°C). The audible/visual device for the high temperature alarm shall annunciate at a continuously occupied location.*

613.0 [For OSHPD 1, 2, 3 & 4] Dialysis Water-distribution Systems...
614.0 Identification of Potable and Nonpotable Water Lines
614.1.1 [For OSHPD 1, 2, 3 & 4] Nonpotable water shall not be piped ...
614.2 [For OSHPD 1, 2, 3 & 4] Nonpotable water systems ...
614.3 [For OSHPD 1, 2, 3 & 4] Outlets for nonpotable ...
614.4 [For OSHPD 1] Emergency Water Supply

Adopt entire 2000 UPC Chapter 7 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

701.0 Materials ...
701.1.2 ABS and PVC DWV piping ...
701.1.2.a [OSHPD 1, 2, 3 & 4] ABS and PVC installations ...
701.1.3 No vitrified clay ...
...
705.0 Joints and Connections ...
705.1.1 Caulked Joints ...
705.1.1.a Caulked Joints. [For OSHPD 1, 2, 3 & 4] All joints for liquid material...
705.1.2 Cement Mortar Joints ...
...
705.2.4 Lead to Cast Iron, Wrought Iron or Steel. ...
705.2.5 [OSHPD 1, 2, 3 & 4] Joints in ABS ...
...
723.0 Building Sewer Test ...
727.0 [For OSHPD 1] Emergency Sanitary Drainage
727.1 For acute care hospital ...

Adopt entire 2000 UPC Chapter 8 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

...
815.0 Air Conditioning Equipment.

815.1 Size. ...

815.1.1 [For OSHPD 1, 2, 3 & 4] Air conditioning ...

Table 8-2 ...

Adopt entire 2000 UPC Chapter 9 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

...

903.0 Materials ...

903.1.2 ABS and PVC DWV piping installations ...

903.1.2.1 [For OSHPD 1, 2, 3 & 4] ABS or PVC installations ...

903.2 Use of Copper Tubing ...

Adopt entire 2000 UPC Chapter 10 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

...

1014.0 Grease Traps and Grease Interceptors

1014.1 When, in the judgement ...

1014.1.a [For OSHPD 1, 2, 3 & 4] The administrative authority is ...

1014.2 No grease ...

...

1014.8 Grease Interceptors for Commercial Kitchens. ...

~~1014.11~~ 1014.9 [For OSHPD 1, 2, 3 & 4] Grease traps shall not be ...

~~1014.12~~ 1014.10 [For OSHPD 1, 2, 3 & 4] Grease interceptors shall be installed outside of the kitchen area in a location affording ease of maintenance and servicing.

1015.0 Food Waste Disposal and Dishwasher Prohibited ...

Adopt entire 2000 UPC Chapter 11 and carry forward existing 1998 CPC amendments for [OSHPD 1, 2, 3 & 4] with the following modifications:

...

1101.3 Material Uses. ...

1101.3.1 [For OSHPD 1, 2, 3 & 4]

1101.4 Expansion Joints Required ...

...

1102.0 Materials ...

1102.1.2 The inside of conductors ...

1102.1.2.a [For OSHPD 1, 2, 3 & 4] ABS or PVC installations are ..

1102.2 Leaders

Adopt entire 2000 UPC Chapter 12 without amendments for [OSHPD 1, 2, 3 & 4].

2000 UPC Chapter 13 is not adopted by OSHPD. Modify the "Note" under the Chapter 13 heading as follows:

**Chapter 13
Medical Gas Systems**

Note: For hospitals, skilled nursing and intermediate care facilities, licensed clinics, and correctional treatment centers see California Building Code Section 423A.1. Medical gas systems shall be in accordance with NFPA 99, ~~1996~~ 1999 edition.

Adopt entire 2000 UPC Chapter 14 with the following new amendments for [OSHDP 1, 2, 3 & 4].

MANDATORY REFERENCED STANDARDS

Table 14-1
Standards for Materials, Equipment, Joints and Connections

Where more than one standard has been listed for the same material or method,
the relevant portions of all such standards shall apply.

Standard Number	Standard Title	Application	Indicate if Not Approved in the UPC
...			
NFPA 54-96	National Fuel Gas Code	Fuel Gas	
NFPA 58-98	Storage and Handling of Liquefied Petroleum Gases	Fuel Gas	
NFPA 99-93 <i>[For OSHPD 1, 2, 3 & 4]</i> NFPA 99-99	Medical Gas Systems	Piping	
NFPA 99C-93 <i>[For OSHPD 1, 2, 3 & 4]</i> NFPA 99C-99	Gas and Vacuum Systems	Piping	
...			

Adopt entire 2000 UPC Appendix A without amendments for [OSHPD 1, 2 & 4].

Adopt entire 2000 UPC Appendix B without amendments for [OSHPD 1, 2 & 4].

Adopt entire 2000 UPC Appendix C without amendments for [OSHPD 1, 2, 3 & 4]

Adopt entire 2000 UPC Appendix D without amendments for [OSHDP 1, 2, 3 & 4].

Adopt entire 2000 UPC Appendix H without amendments for [OSHDP 1, 2, 3 & 4].

Adopt entire 2000 UPC Appendix I without amendments for [OSHDP 1, 2, 3 & 4].